Vision 3

Anticoagulation User Guide

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Anticoagulation Pathway

Overview

As you may be aware, Warfarin is the main Anticoagulation treatment for the prevention of stroke and thromboembolic conditions in certain patients with Atrial Fibrillation (AF). Recently published NICE (National Institute for Health and Clinical Excellence) draft guidelines permit the use of new oral anticoagulation drugs (NOACs), along with other risk factors their use is likely to be based on INR (International Normalised Ratio) control. The Vision+ Anticoagulation Management Pathway contains tools for managing all aspects of anticoagulation regardless of the patient's drug regime. It includes Adverse Event Reporting, advice on Dosing regimes and presents supporting materials for structured Education and Reviews.

When you select a patient in Consultation Manager an alert window will warn if the patient is missing essential anticoagulation information that will assist in the management of their care. There is also an easy to use Clinical Pathway where you can quickly record relevant information. In addition, a suite of reports will capture data and provide a comprehensive reporting tool. In all the Anticoagulation pathway comprises:

- Alerts for missing/due data
- Anticoagulation Templates which include:
  - Anticoagulation Therapy management screen
  - Warfarin management and dosing tool
  - Diagnosis Indication screen
  - INR monitoring screen
  - Management screen for New Oral Anticoagulant Drugs
  - Other Assessment screen showing other factors that may affect the patient's anticoagulant treatment
- Reporting facility which allows you to work on patient lists or create a mail merge

This guide explains how to access the alert window and record data in the Pathway. It also provides details of the reports that can be used to monitor your patients.

Getting Started

The following topics provide useful information regarding setting up the Anticoagulation Pathway:

- **Identify patients on Warfarin using the Anticoagulation Report -** You can quickly identify patients who are on Warfarin by running an Anticoagulation Report. From the Vision front screen, go to **Reporting** - **Practice Reports** and select the **Other** icon. Choose the Anticoagulation

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Pathways Report. A suite of reports are listed. The first report shows the number of patients on Warfarin. For more information see *Anticoagulation Pathway Reports* (page 26).

- **Alert Popup Window -** By default QOF alerts appear when you select a patient in Consultation Manager. To amalgamate non QOF alerts eg the Anticoagulation popup window with the QOF window see *Accessing the Anticoagulation Pathway* (page 6).
- **Add Diagnosis Indication** - Before patients can have their INR monitored and Warfarin dose adjustment calculated, they must first have a current Diagnosis Indication. See *Warfarin/INR Diagnosis* (page 15).
- **Entering Past INR and Warfarin Dose Values** - INR and Warfarin dose historical data must be available in the Pathway in order for the correct recall period calculations to be performed. If the patient has more than five INR and five Warfarin readings then only the last five of each are used. This information is populated from Vision and is available on the History tab within the Warfarin Dosing Tool screen. See *Warfarin Dosing Tool* (page 17).
- **Patient Settings** - To assist in managing the patient's Warfarin dosing regime you can set the patient's INR Target range and choose the tablet strengths that are available to the patient. In addition, you can specify if the patient is under hospital care, which will place a marker alongside the patient. For more information on Patients Settings, see *Warfarin/INR Diagnosis* (page 15).

Accessing the Anticoagulation Pathway

To access the anticoagulation pathway functionality, the patient must meet the following criteria:

The patient must: (check this is correct took it from a website??)

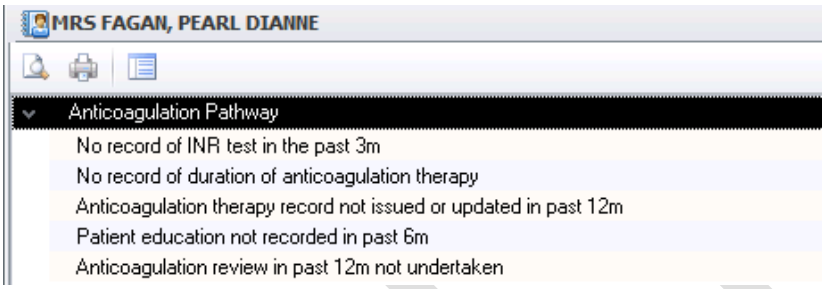
- Be taking Anticoagulant medication
- Have one of the following indications:
  - Atrial fibrillation
  - A mechanical heart valve
  - Endocarditis
  - Mitral stenosis
  - Certain blood disorders
  - Had surgery to replace a hip or knee
  - Warfarin is indicate
  - Pulmonary Embolism
  - Inherited Thrombophilia
  - PNH - Paroxysmal Nocturnal Haemoglobinuria
  - Cardioversion
  - Coronary Angioplasty or Stents
  - Coronary Artery Grafts
  - Dilated Cariomyopathy
  - DVT

If the patient meets the above criteria, the following options become available:

- **Alert Popup window** - A prompt will show missing or incomplete data.
- **Anticoagulation Pathway**- You can access the Anticoagulation Pathway clinical template.

Alert Popup

To see the Anticoagulation popup alert window, select the patient in Consultation Manager and choose the icon **Show Other Indicators** from the Vision Toolbar. The Anticoagulation Pathway category is displayed in the alert box with any outstanding/missing anticoagulation data listed below.


MRS FAGAN, PEARL DIANNE
Anticoagulation Pathway
No record of INR test in the past 3m
No record of duration of anticoagulation therapy
Anticoagulation therapy record not issued or updated in past 12m
Patient education not recorded in past 6m
Anticoagulation review in past 12m not undertaken

Anticoagulation Alert Window

By double clicking on any line on the alert window or choosing the Template icon from the Toolbar, you are automatically taken to the Anticoagulation Pathway.

Amalgamating QOF Alerts with Non-QOF Alerts

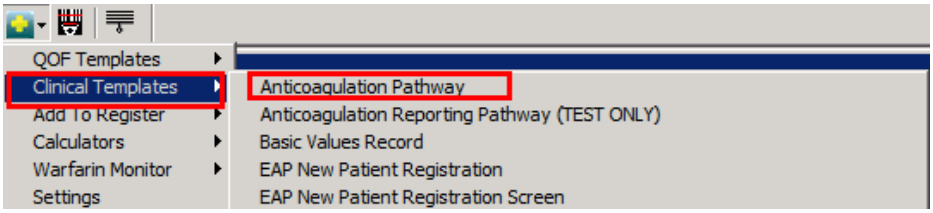
By default QOF alerts appear when you select a patient in Consultation Manager. To amalgamate non QOF alerts eg the Anticoagulation popup window with the QOF window:

1. Click the **Vision+** icon and select **Settings**.
2. From **Options**, tick the box **Combine Triggers** and click **OK**.
3. The alert window will automatically show both QOF and other indicators when you select a patient. You also see a new Combined popup icon on the Vision Toolbar.

Note - This is a user specific setting.

Anticoagulation Pathway

Alternatively, you can access the Anticoagulation Pathway from the **Vision+** menu or the Vision+ icon on the Toolbar. Select **Clinical Templates** - **Anticoagulation Pathway**.

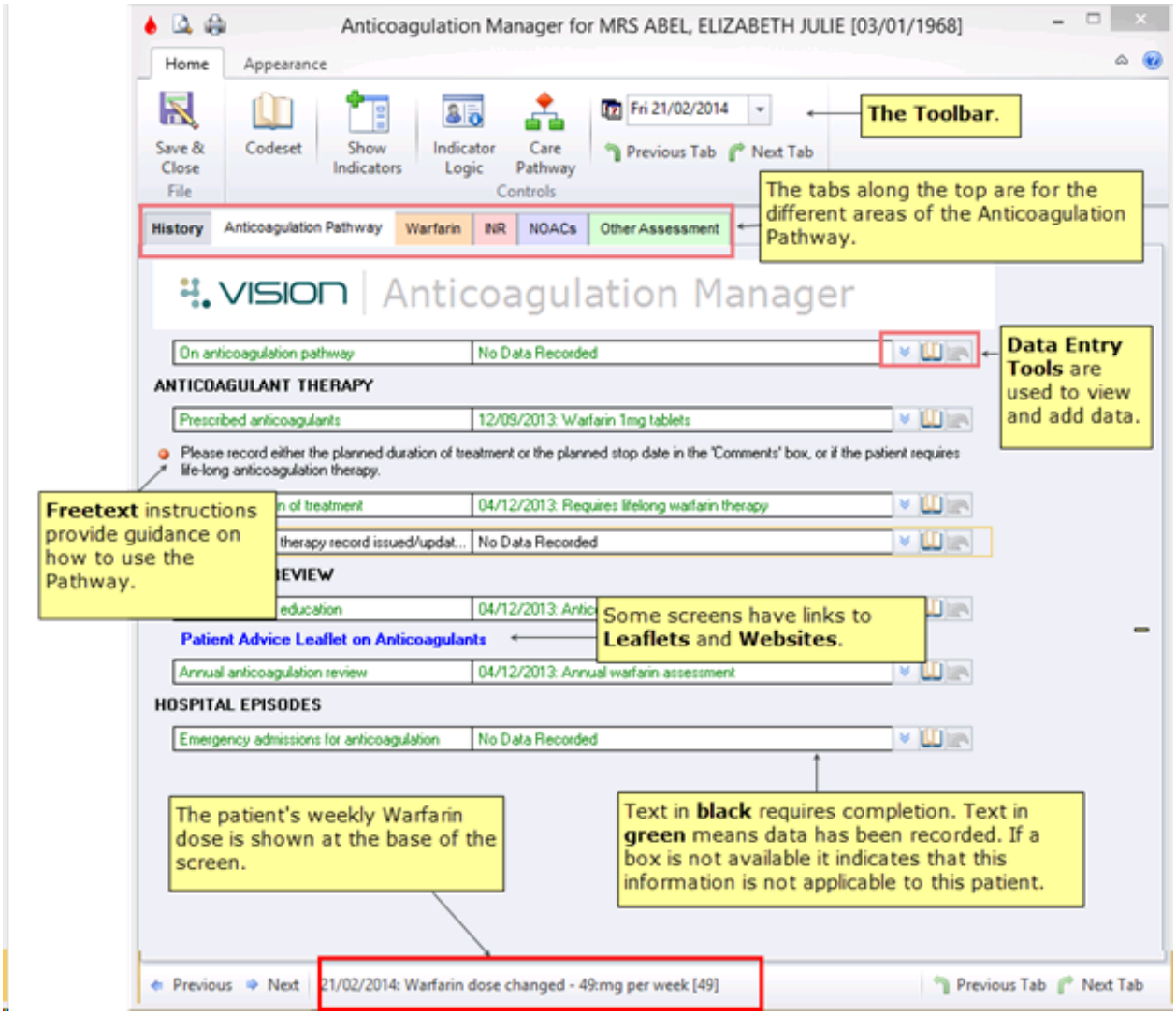


Clinical Templates - Anticoagulation Pathway

An Overview of the Anticoagulation Pathway Screen

The Anticoagulation Pathway displays the following screen: Below is an overview of the functions available.

Training Tip - Print this page and circulate it to anyone using the Anticoagulation Pathway.

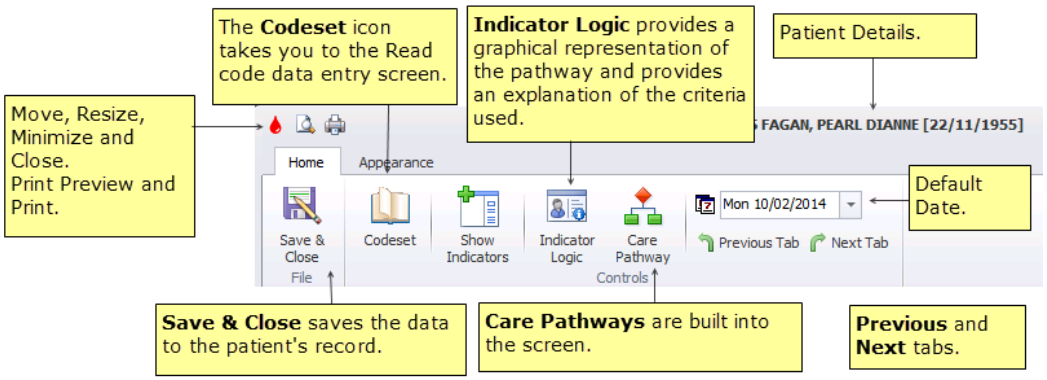

Anticoagulation Manager for MRS ABEL, ELIZABETH JULIE [03/01/1968]
Home
Appearance
Save & Close
File
Codeset
Show Indicators
Indicator Logic
Care Pathway
Controls
Fri 21/02/2014
Previous Tab
Next Tab
The Toolbar.
The tabs along the top are for the different areas of the Anticoagulation Pathway.
History
Anticoagulation Pathway
Warfarin
INR
NOACs
Other Assessment
VISION
Anticoagulation Manager
On anticoagulation pathway
No Data Recorded
Data Entry Tools are used to view and add data.
ANTICOAGULANT THERAPY
Prescribed anticoagulants
12/09/2013: Warfarin 1mg tablets
Please record either the planned duration of treatment or the planned stop date in the 'Comments' box, or if the patient requires life-long anticoagulation therapy.
Freetext instructions provide guidance on how to use the Pathway.
04/12/2013: Requires lifelong warfarin therapy
No Data Recorded
Some screens have links to Leaflets and Websites.
Patient Advice Leaflet on Anticoagulants
Annual anticoagulation review
04/12/2013: Annual warfarin assessment
HOSPITAL EPISODES
Emergency admissions for anticoagulation
No Data Recorded
The patient's weekly Warfarin dose is shown at the base of the screen.
Text in black requires completion. Text in green means data has been recorded. If a box is not available it indicates that this information is not applicable to this patient.
Previous
Next
21/02/2014: Warfarin dose changed - 49:mg per week [49]
Previous Tab
Next Tab

An Overview of the Anticoagulation Pathway

Toolbar and Data Entry Tools

Overview of the Toolbar

The Toolbar at the top of the Anticoagulation Pathway is used to access different functions within the screen, some of which vary depending on the line you have highlighted. It also provides links to local and national Care Pathways and the Indicator Logic tool can be used to review Pathway criteria.


The **Codeset** icon takes you to the Read code data entry screen.
Indicator Logic provides a graphical representation of the pathway and provides an explanation of the criteria used.
Patient Details.
Move, Resize, Minimize and Close.
Print Preview and Print.
FAGAN, PEARL DIANNE [22/11/1955]
Home
Appearance
Save & Close
File
Codeset
Show Indicators
Indicator Logic
Care Pathway
Controls
Mon 10/02/2014
Previous Tab
Next Tab
Default Date.
Save & Close saves the data to the patient's record.
Care Pathways are built into the screen.
Previous and **Next** tabs.

Toolbar

Toolbar

Move, Resize, Minimise or Close

Print Preview or Print - To view or print the information on the Pathway.

Save & Close - This saves the data to the patient's record.

Codeset - The Codeset icon takes you to the Codeset data entry screen where Read codes can be chosen from a pre-defined list.

Show Indicators - This activates the Alert Indicator popup window.

Indicator Logic - You can use the Indicator Logic tool to view the rule set logic behind the pathway.

Care Pathways - This icon launches local/national Care Pathway.

Default Date - The date defaults to today, but can be changed by entering a new or by choosing from the calendar.

Previous and Next Tab - The previous and next tab toggle you through the tabs eg Anticoagulation, Warfarin.

Note - If you right click on any line within a pathway you can access the same Toolbar functions.

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Viewing or Adding Data to the Anticoagulation Template

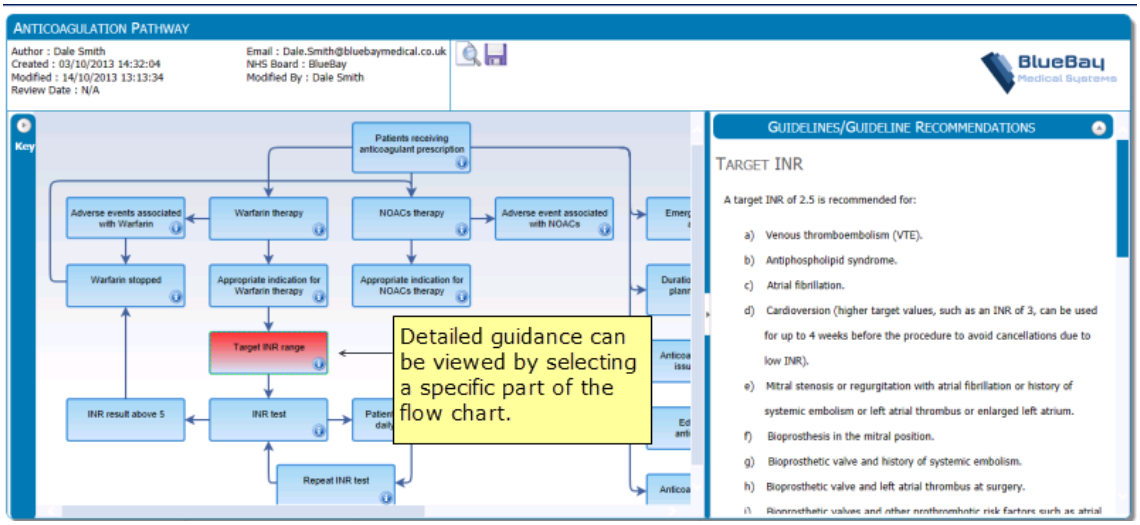
1. In **Consultation Manager**, select a patient and choose the Anticoagulation Pathway from the **Alert Popup window** or **Vision+** from the Toolbar.
2. Select **Clinical Templates**.
3. To add data to a Pathway, highlight the line and choose one of the **Data Entry** icons at the end of the line . A summary of their function can be found here - *Summary - Viewing or Adding data to the Anticoagulation Template* (page 25).

> **IMPORTANT** - All entries made to the Pathway should be saved by choosing the **Save and Close** icon. If you do not choose save and close your data will be lost.

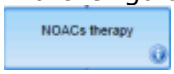
Care Pathway

Care Pathways are built into the Anticoagulation Template. When you select the **Care Pathway**

icon from the Toolbar a flow chart is launched. Care Pathways provide extra guidance on how to manage the patient's care. The Pathway option is available from all screens apart from History and Other Assessments.


ANTICOAGULATION PATHWAY
Author : Dale Smith
Created : 03/10/2013 14:32:04
Modified : 14/10/2013 13:13:34
Review Date : N/A
Email : Dale.Smith@bluebaymedical.co.uk
NHS Board : BlueBay
Modified By : Dale Smith
BlueBay
Medical Systems
Key
Patients receiving anticoagulant prescription
Adverse events associated with Warfarin
Warfarin therapy
NOACs therapy
Adverse event associated with NOACs
Warfarin stopped
Appropriate indication for Warfarin therapy
Appropriate indication for NOACs therapy
Target INR range
INR result above 5
INR test
Repeat INR test
Detailed guidance can be viewed by selecting a specific part of the flow chart.
GUIDELINES/GUIDELINE RECOMMENDATIONS
TARGET INR
A target INR of 2.5 is recommended for:
a) Venous thromboembolism (VTE).
b) Antiphospholipid syndrome.
c) Atrial fibrillation.
d) Cardioversion (higher target values, such as an INR of 3, can be used for up to 4 weeks before the procedure to avoid cancellations due to low INR).
e) Mitral stenosis or regurgitation with atrial fibrillation or history of systemic embolism or left atrial thrombus or enlarged left atrium.
f) Bioprosthesis in the mitral position.
g) Bioprosthetic valve and history of systemic embolism.
h) Bioprosthetic valve and left atrial thrombus at surgery.

Care Pathway

To view further guidance on a specific area of the pathway, click on any of the information boxes 

on the flow chart and a panel will appear on the right hand side of the screen displaying additional guidance.

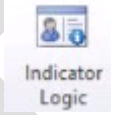
Some HB's/CCG's have requested their local Care Pathways be incorporated into the Anticoagulation screen, so you may see local guidelines displayed with details of their source. The pathways are managed centrally ensuring that everyone in your local CCG/HB is using the latest guidance.

Print or Save

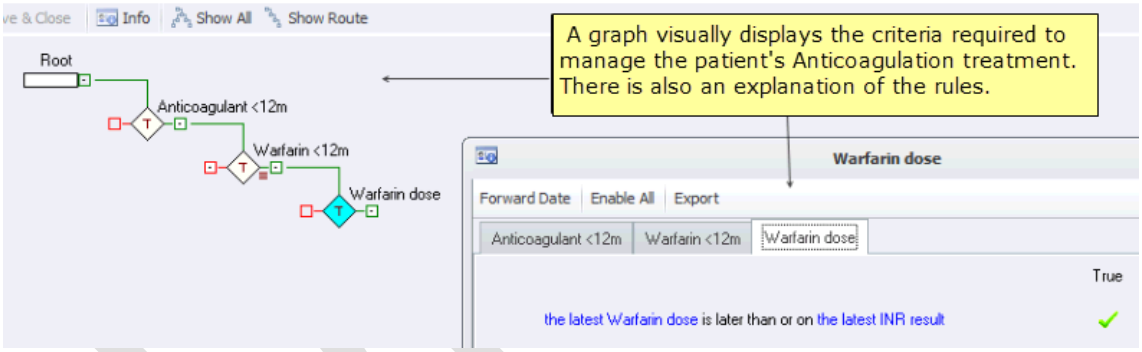
To print the Care Pathway click the Print Preview icon and choose your printer. To save the Pathway as a PDF file, click the Save icon.

Note - What you print is what you see (check this)

Indicator Logic

Indicator Logic provides direct access to the conventions required to manage a patient on anticoagulation therapy. You can view a graphical representation of the criteria behind the Anticoagulation Pathway by selecting the Indicator Logic 

icon.

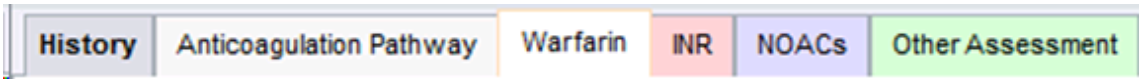


Indicator Logic

Training Tip - The Indicator Logic is displayed for the specific line highlighted.

The Anticoagulation Pathway Tabs

Below is an explanation of each of the tabs within the Anticoagulation Pathway. To add or view data to any of the screens use the Toolbar at the top of the Template or select the data entry tool at the end of each line, a summary of which can be found at here - *Summary - Viewing or Adding data to the Anticoagulation Template* (page 25).



Anticoagulation Tabs

Reminder - To check what criteria is used select the Indicator Logic icons on the toolbar. See *Indicator Logic* (page 11). Check node message and why the indicator logic does not appear on the INR line?

Anticoagulation Pathway Tab

The Anticoagulation Pathway tab shows the patient's current therapy and medication history. From here you can record patient knowledge and annual review information, as well as any hospital admission details.

Note - The Anticoagulation Pathway can be printed by choosing the Print or Print Preview icon.

On Anticoagulation Pathway

This area of the screen shows you when the patient was placed on the Anticoagulation Pathway or you can record the fact that the patient is part of the Anticoagulation Pathway.

On Anticoagulation Pathway

- **On Anticoagulation Pathway** - This displays the date the patient was placed on the anticoagulation pathway. To add the patient to the Pathway choose the Read code from the Codeset date entry icon.

Anticoagulant Therapy

This part of the screen shows the patient's current anticoagulation medication and therapy history.

ANTICOAGULANT THERAPY
Prescribed anticoagulants
12/09/2013: Warfarin 1mg tablets
Please record either the planned duration of treatment or the planned stop date in the 'Comments' box, or if the patient requires life-long anticoagulation therapy.
Freetext guidance
Planned duration of treatment
04/12/2013: Requires lifelong warfarin therapy
Anticoagulation therapy record issued/updat...
No Data Recorded

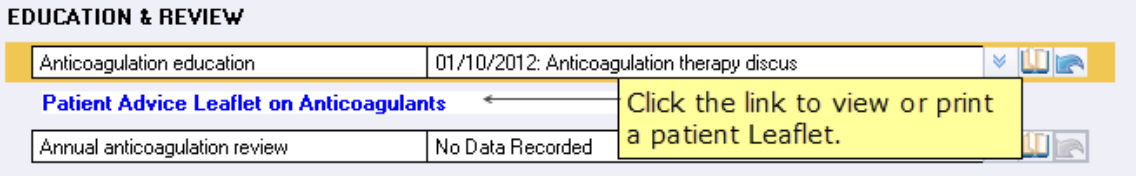
Anticoagulation Therapy

- **Prescribed Anticoagulants** - This shows the patient's latest anticoagulant medication. The drug information is taken from the patient's therapy screen and includes all acutes and active/inactive repeats, provided the repeat has been issued. You can also add a drug from this screen, either as an acute or a repeat, however, it is not printed until you select print (F9) from the Repeat Therapy screen. For more information on adding a drug, please refer to the Vision+ on-screen help.
- **Planned duration of treatment** - Specify the planned duration of treatment by choosing the appropriate Read code from the codeset screen. The Read codes do not include a planned date so it is recommended that you add the planned duration of treatment or the stop date in the Comments box. The stop date will not automatically inactive the medication, this should still be done on the Repeat Therapy screen.

Training Tip - You may want to use the **Patient Warning** icon on the Vision toolbar to record the planned duration of treatment. Alternatively, you could enter a **Repeat Until Date** when prescribing the anticoagulation medication. For more information press **F1** whilst in Consultation Manager.

- **Anticoagulation therapy record issues/updated** - This is where you can view or record if the patient holds an anticoagulation therapy record.

Education and Review


EDUCATION & REVIEW
Anticoagulation education
01/10/2012: Anticoagulation therapy discus
Patient Advice Leaflet on Anticoagulants
Click the link to view or print a patient Leaflet.
Annual anticoagulation review
No Data Recorded

Education and Review

This section of the screen is where you can record education and review information. It also includes a link to the Patient.co.uk website where you can print the Patient Advice Leaflet on Anticoagulants, because you are accessing an external website the leaflet is not recorded in the patient's record.

- **Anticoagulation Education** - This is where you can view and record when patient education is discussed. To add a new Read code, click the Codeset icon and select the appropriate code from the data entry screen.
- **Annual Anticoagulation Review** - This is where you can view and record a patient's annual review. To add a Review code, click the Codeset icon and select the appropriate Read code from the data entry screen.

Note - The Annual Anticoagulation Review is recorded as a History entry and not as a Recall.

Hospital Episodes

Hospital Episodes

- **Emergency admissions for anticoagulation** - This box displays any anticoagulation emergency admissions. To record new admissions select the appropriate Read code.

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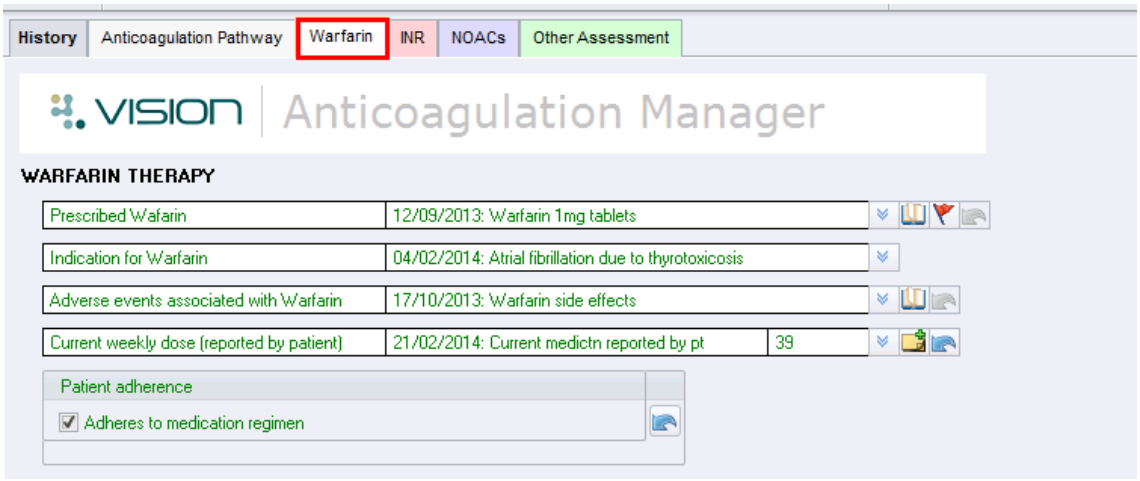
Warfarin Tab

This Warfarin tab shows the patient's current Warfarin dose history and Therapy information. Embedded within the screen is a warfarin dose screen where you can record and calculate the patient's new INR regime. In addition, there is a link to the INR Star dosing tool.

Warfarin Therapy

This section of the screen shows the patient's current Warfarin medication, their warfarin indication and any adverse events.



Warfarin Therapy (need to change screenshot Warfarin spelt incorrectly)

- **Prescribed Warfarin** - This displays the patient's Warfarin medication. You can add a new drug from this screen or a Read code indicating they are starting warfarin medication. To record that the patient has stopped Warfarin click the Red flag icon.

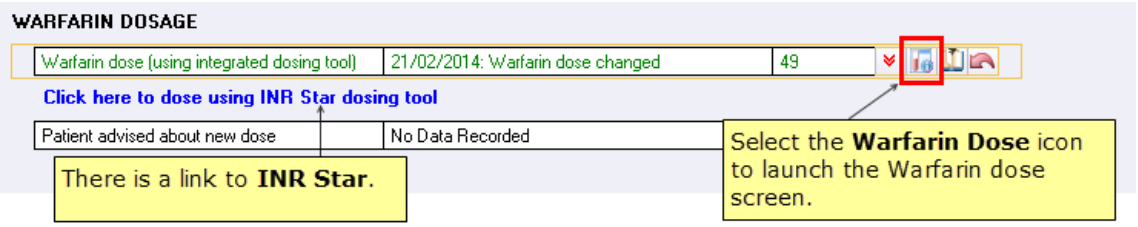
Note - If you record that warfarin has been stopped this does not inactivate the medication on the Therapy screen.

- **Indication for Warfarin** - You can see the patient's latest diagnosis indication and the date the entry was made. (check that this is now picked up by a diagnosis)
- **Adverse events associated with Warfarin** - Any adverse events are displayed on this line or you can record new Adverse Events by choosing the appropriate Read code.

Note - If you record an Adverse event or Allergy you are prompted to enter the drug when you save and close the Pathway.

- **Current weekly dose (reported by patient)** - This displays the patient's currently weekly dose. (Need to check what Read codes are used.)
- **Adheres to medication regimen** - Select this box to record that the patient is adhering to their medication regime. (Check what is written back to Vision.)

Warfarin Dosage

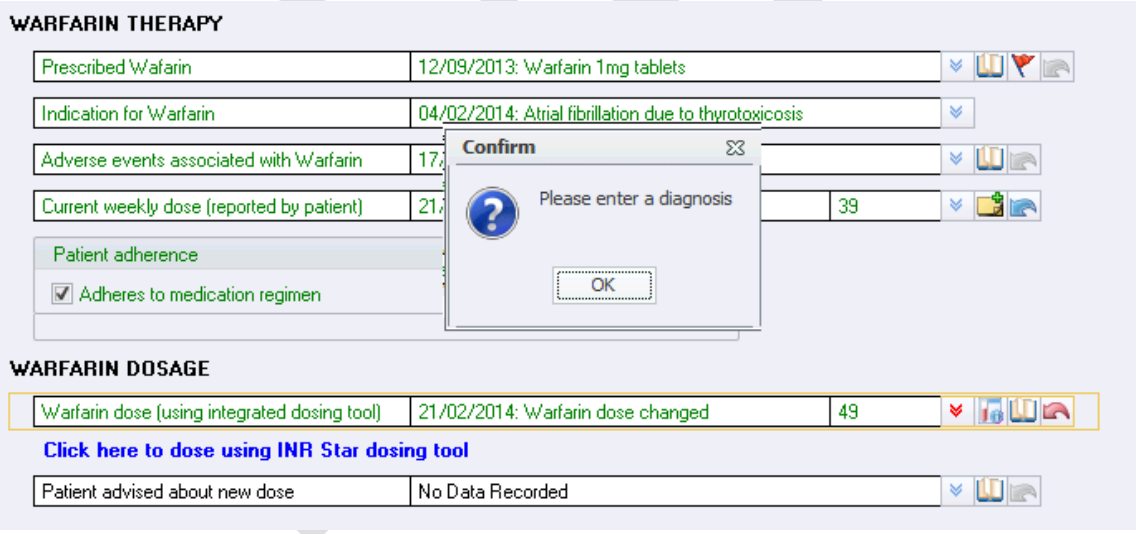

WARFARIN DOSAGE
Warfarin dose (using integrated dosing tool)
21/02/2014: Warfarin dose changed
49
Click here to dose using INR Star dosing tool
Patient advised about new dose
No Data Recorded
There is a link to INR Star.
Select the Warfarin Dose icon to launch the Warfarin dose screen.

Warfarin Dosage

- **Warfarin dose (using the integrated dosing tool)** - From here you can see the patient's current Warfarin dose and view the previous dosing history. The previous INR results are displayed in a list or as a graph. You can Read code the patient's warfarin dosage by selecting the appropriate Read code or view the Warfarin dose screen by clicking the Warfarin icon. See *Warfarin Dosing Tool* (page 17).
- **Patient advised about new dose** - Record any new dosage advice given to the patient in this section.

Warfarin/INR Diagnosis

Before patients can have their INR monitored and Warfarin dose adjustment calculated, they must first have a current Diagnosis Indication. This is done on the INR/Warfarin Diagnosis screen. A prompt will appear when you select the Warfarin dose icon if an indication does not exist.



INR/Warfarin Diagnosis

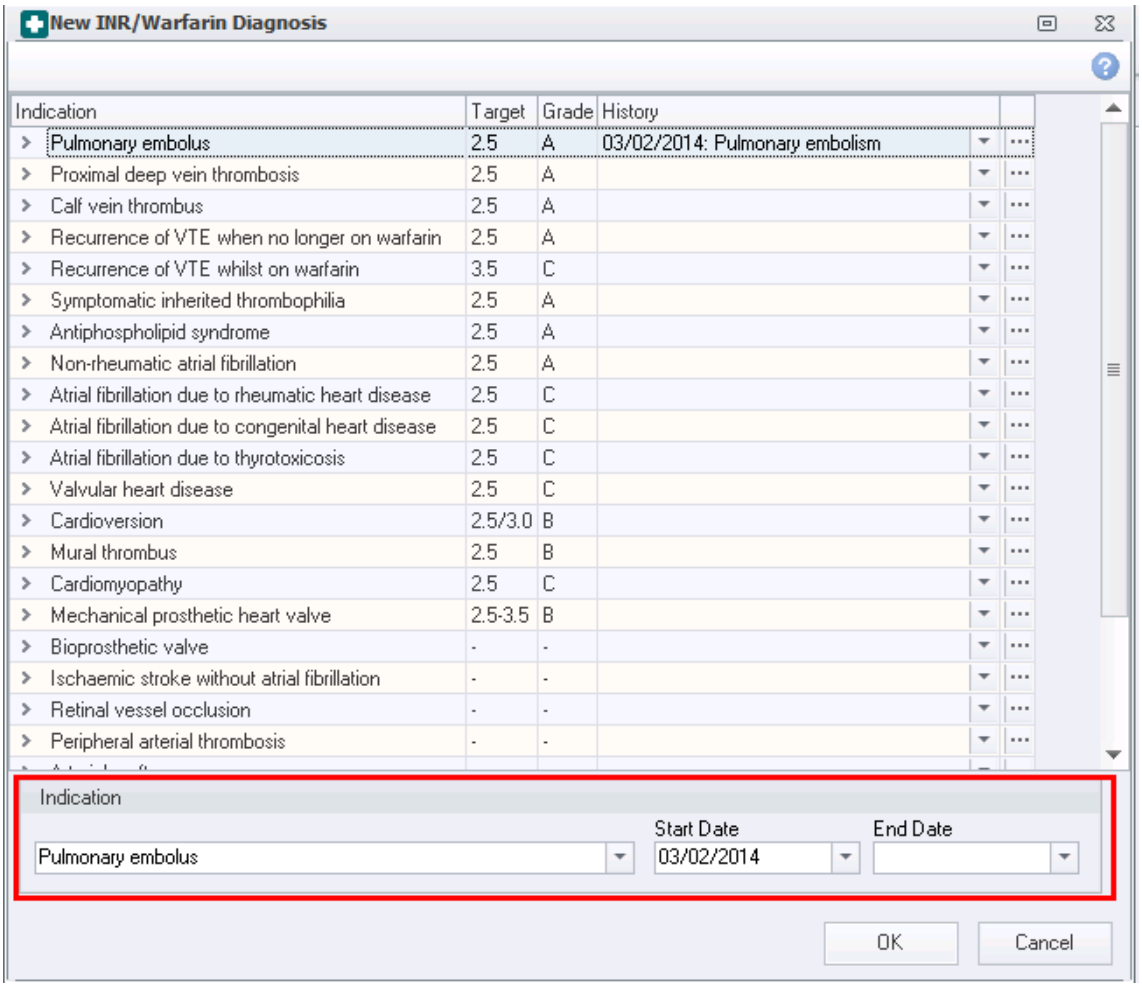
Any diagnosis Read codes on the patient's record are displayed in the History column on the line of the relevant Indication. The Read codes displayed can be selected and used as the Diagnosis Indication. If a Diagnosis Read code does not exist in the patient's clinical record then this column will be empty, and a Diagnosis Read code can be added very easily.

To add a new Diagnosis Indication from an existing Diagnosis Read code:

1. Click on the History icon alongside the chosen Diagnosis Read code you wish to use.
2. Double click on the relevant Read code in the box that is presented.

Note - You can only select one Read code.

3. The corresponding indicator will then appear in the Indication section at the bottom of the screen with the Start Date set to that of the Diagnosis Read code.
4. Where the treatment period is known, an end date can be entered onto the End Date box by clicking on the down arrow and selecting it from the calendar. If there is no End Date then it can be left blank (this will be the case for the majority of patients). (Check as this End date is not shown anywhere in Vision).
5. Click **OK**.

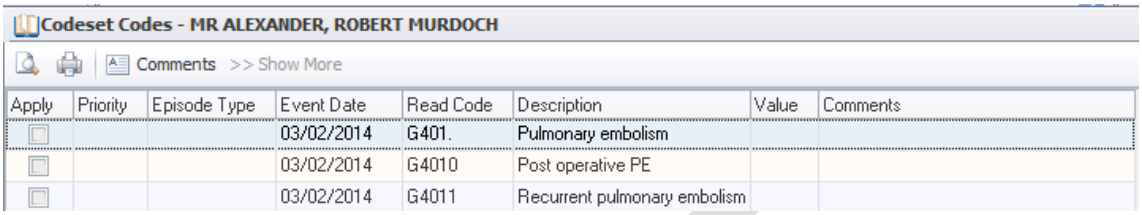


Warfarin/INR Diagnosis

If a Diagnosis Read code does not exist in the patients clinical record the History column will be empty. However, a new Diagnosis Read code can be added at this point to allow a Diagnosis Indication to be used.

To add a New Diagnosis Read code and related Diagnosis Indication:

1. Double click on the line of the relevant Indication or click the Codeset ... icon. The Read Code Data Entry screen is displayed.


Codeset Codes - MR ALEXANDER, ROBERT MURDOCH
Comments >> Show More
Apply | Priority | Episode Type | Event Date | Read Code | Description | Value | Comments
03/02/2014 | G401. | Pulmonary embolism
03/02/2014 | G4010 | Post operative PE
03/02/2014 | G4011 | Recurrent pulmonary embolism

Read Codeset

2. Place a tick in the Apply column. If necessary change the Priority, Episode Type and Date Recorded.
3. Click **OK** to save.
4. The relevant Indication is placed in the Indication area which is at the base of the screen.
5. The Start Date will default to the date of the Read code entered but can be backdated if necessary by clicking in the down arrow and selecting it from the calendar.
6. Where the treatment period is known, an end date can be entered onto the End Date box by clicking the down arrow and selecting it from the calendar. If there is no End Date then it can be left blank.
7. Click **OK**.

> **Note** - Left click on the expand > icon to view the description and details of each indication.

Current INR/Warfarin Diagnosis Screen

Need a section in here about how to change the diagnosis - check with BB as cannot find an easy way.

Warfarin Dosing Tool

From the Warfarin dose screen clinicians can easily monitor and calculate INR and Warfarin dosing respectively. It can only be accessed when a New Diagnosis has been entered through the Warfarin screen - See *Warfarin/INR Diagnosis* (page 15). It looks at the previous INR and dose history and calculates the new weekly dose. It is split into four tabs. The main INR and Dose tab is the one from where the calculation is performed.

> **Note** - You must have five INR results in order for the dose to calculate correctly. (Is this correct?)

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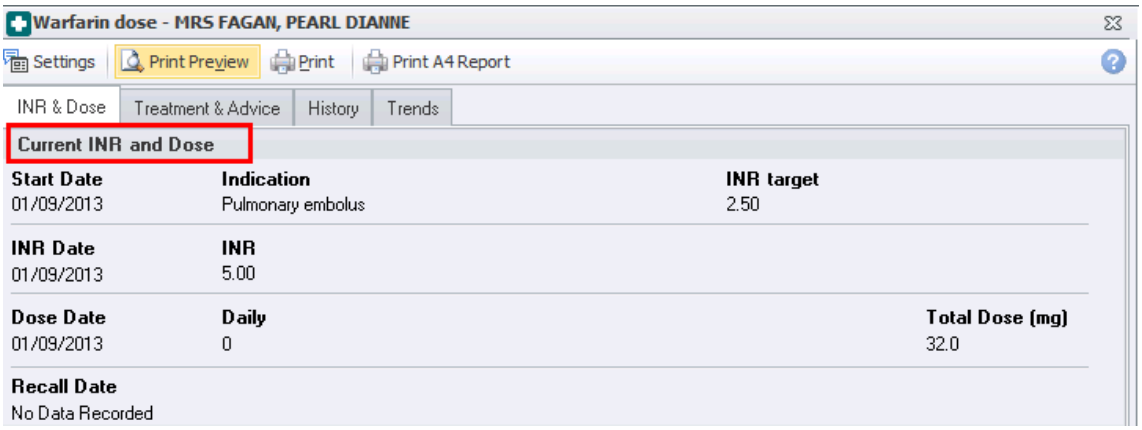
Viewing Current INR Dose

This area of the Warfarin Dose screen gives details of the current diagnosis indication, previous INR value and previous weekly dosing regime, along with relevant dates. The information in this section is for reference purposes only and cannot be changed. Any data that is recorded into the patient's record is automatically populated on this screen.



Current INR and Dose

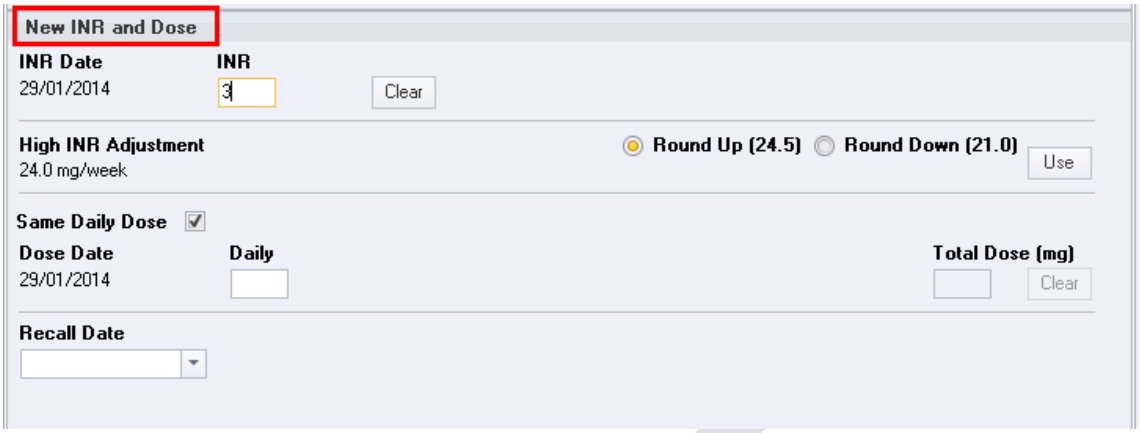
- **Start Date** - This section shows the patients start date eg earliest diagnosis date (check), the indication and their INR target.
- **INR Date** - The patient's last INR result is displayed alongside the date
- **Dose Date** - This shows the patient's current daily dose over a week.
- **Recall Date** - This is the date when the patient should next be seen. It is setup in the New INR and dose section.

Adding New INR and Dose

The information in this section is for the new INR details and dose. To record a New INR value and allow Warfarin Management to recommend a dosing regime do the following:

1. Type directly into the INR box the new INR value, or if you receive lab results directly into Vision, the results are automatically populated and show the latest entry.
2. The Advised Warfarin Adjustment is shown. If correct, click on the **Use** button to allow the regime to be calculated. Select either **Round Up** or **Round Down** if displayed. (If the dose cannot be achieved with the tablet strengths available then the option to round the weekly dose Up or Down will become available and must be selected before clicking on **Use**.) Check if this works.
3. To prescribe the same Warfarin dose for each of the days make sure a tick is placed in the **Same Daily Dose box**. Clearing this will allow Vision+ to calculate a Warfarin dose that may be different from day to day in order to allow the exact weekly Warfarin dose to be prescribed. This check box will affect the Round Up and/or Round Down warfarin dose values.
4. The weekly dosing regime will then be shown, and can be printed out and given/posted to the patient by clicking on **Print A4 Report**.
5. The recommended Recall date is shown or can be recorded or by choosing a date from the calendar. Where is this setup?
6. Additional information can be recorded on the Treatment and Advice Tab, if necessary.
7. Optionally, the INR and Warfarin Dose data can be viewed on the History and Trends Tab.

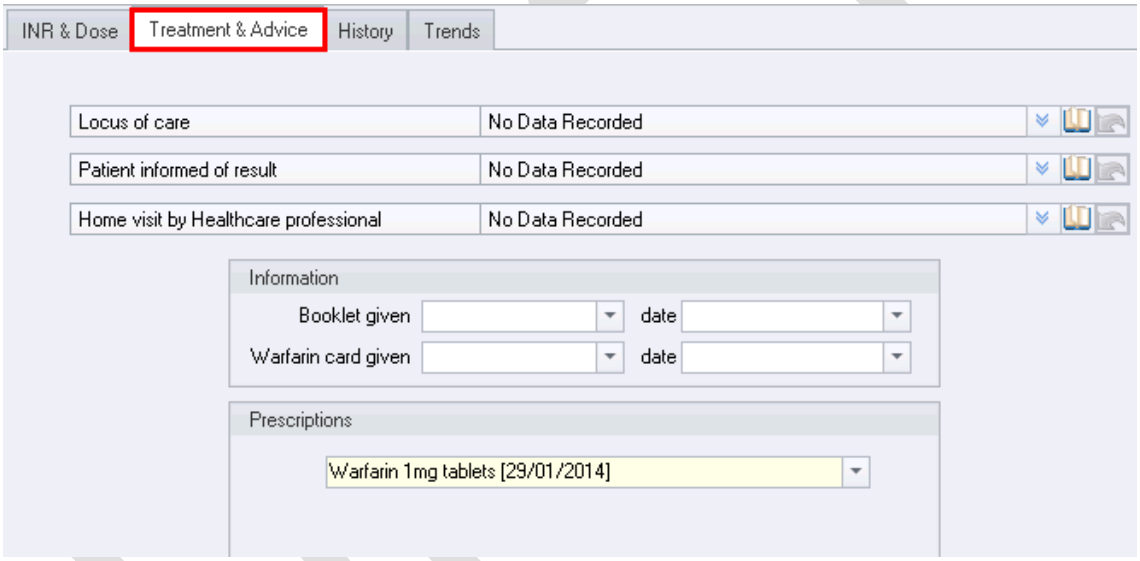
8. Click **OK** to save the changes to the Warfarin Dosing Tool screen.



New INR and Dose

Treatment and Advice Tab

You can record the following on this screen:



Treatment and Advice

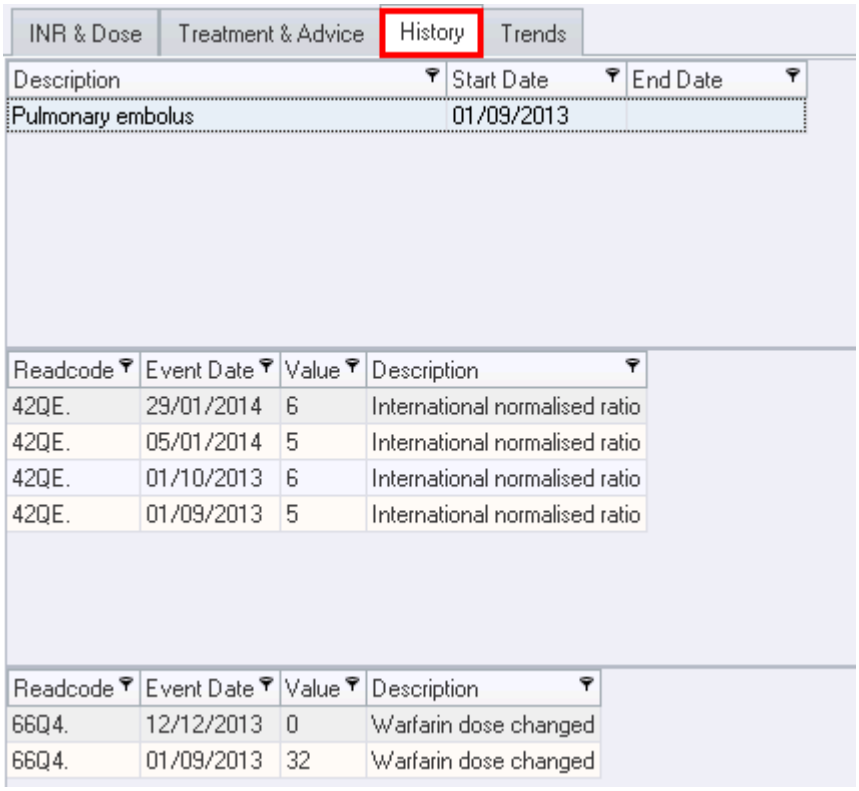
- **Locus of care** - This area of the screen shows the locus of care or you can add a new entry by selecting the appropriate Read code from Codeset icon.
- **Patient informed of result** - This displays when the patient was last informed of their result, or you can add a new entry by choosing the appropriate Read code from the Codeset icon.
- **Home visit by Healthcare professional** - If the patient is attended by a healthcare professional it is shown in here, provided the Read code of **#9NFM - Home visit planned by HCP** has been used. Alternatively, you can add this entry by selecting the Read code.
- **Booklet/Warfarin Card Given** - The Information section provides an area where details of whether a Warfarin booklet and/or card have been given to the patient, along with the date they were provided. The possible options are **Yes**, **No**, **Declined** or **Unknown**.

Note - Booklet given and Warfarin card given are not recorded in the patient's journal.

- **Prescriptions** - The most recent prescription for Warfarin is displayed along with the date prescribed. A full history of Warfarin prescriptions issued can be viewed by using the drop down history arrow icon.

History Tab

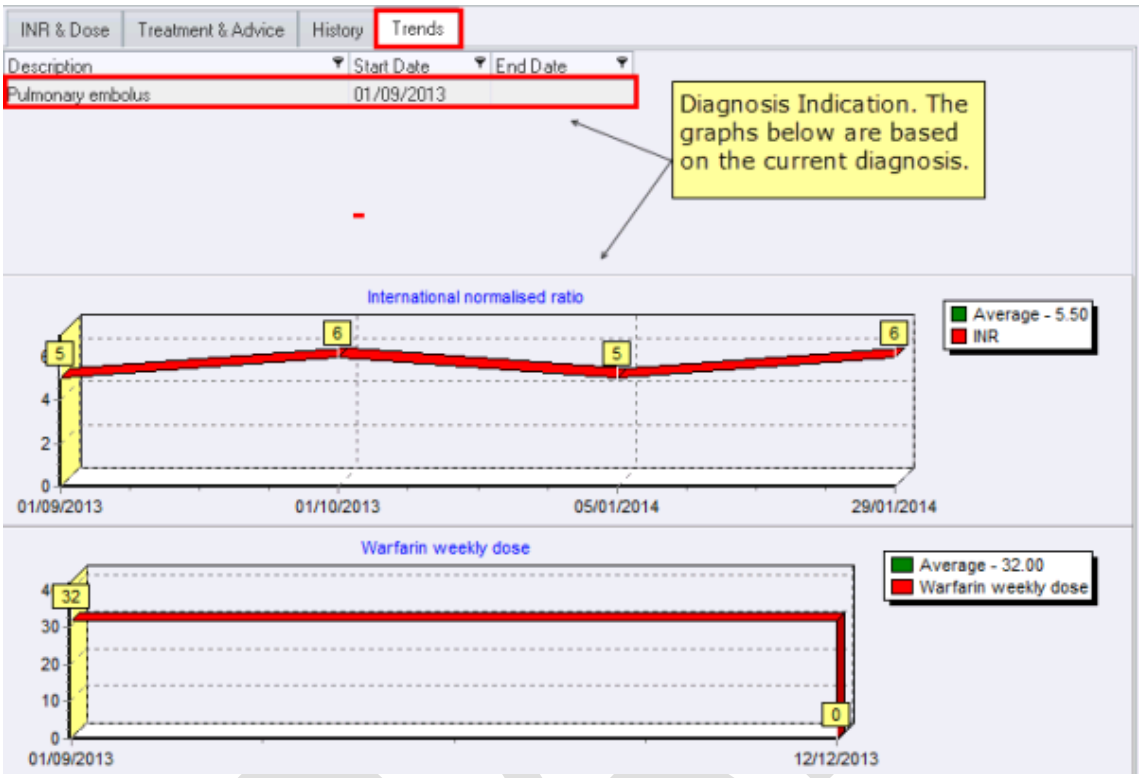
The History tab shows Diagnosis Indications along with their start and end date, if applicable. You also see the patient's INR history with dates and values and the patient's weekly Warfarin dose values shown in mg's per week.



Warfarin Dose - History

Trends Tab

The Trends tab is a good visual aid for looking at a history of diagnostic indications along with their dates; it also shows the patients INR history and plots the weekly Warfarin dose with respect to time.



Warfarin Dose - Trends

Note - By default the data shown in the INR and Warfarin graphs are relevant to the current diagnosis. To see a graph for other diagnosis indications highlight the relevant indication at the top of the screen.

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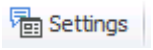
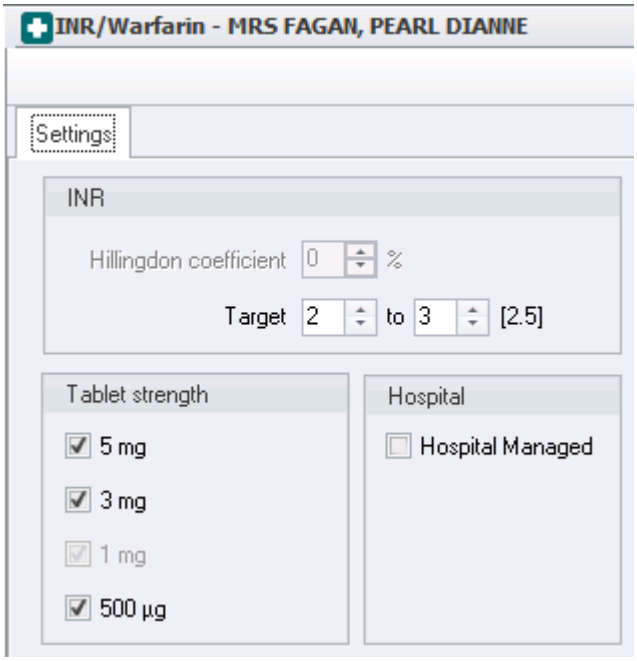
Settings Tab

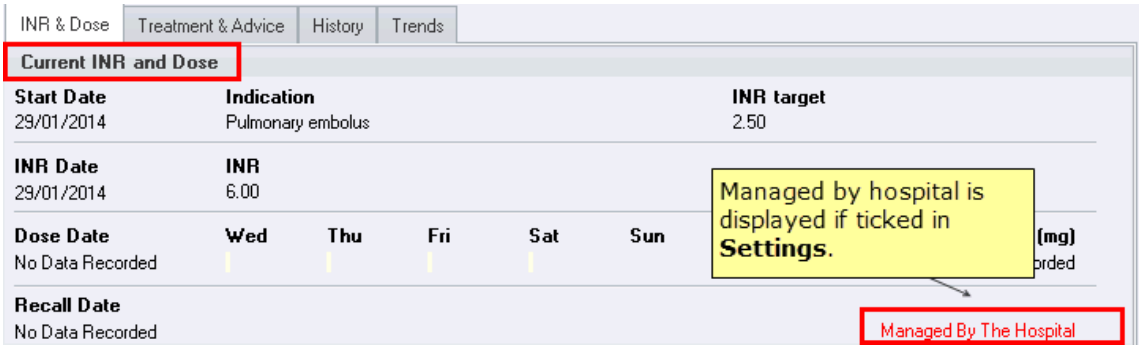
The Patient INR/Warfarin Settings can be accessed from the **Settings** option 

on the Warfarin Dose screen.



Patient INR/Warfarin Settings

- **INR** - This section of the Settings screen specifies the INR target This INR Target range has a default value of 2 to 3 but can be altered if necessary.
- **Tablet Strength** - The tablet strengths that are available to the patient can be selected under the Tablet strength area, so consideration can be taken to enable the daily dosing value to be achieved from the tablet combinations available. Where the weekly dosing regime is not possible, you have a choice to round up or down. The 1mg tablet strength cannot be made unavailable to the practice as this is a most unlikely scenario.
- **Hospital** - The Hospital Managed box should be checked if the patient is under hospital care eg admitted. A marker is placed alongside the patient, which can be seen on the **Current INR and Dose** screen in the **Warfarin Dosing Tool**.



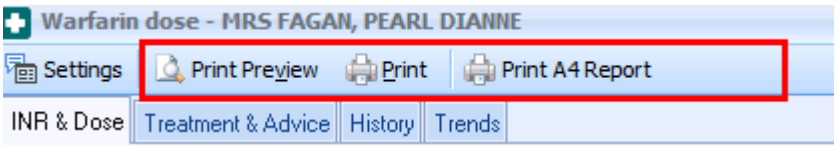
Managed by the Hospital

Print, Print Preview and Print A4

You can print a report which contains information on the patients dosing regime, including which colour tablets they need to take on which days. The weekly Warfarin dose history is also displayed for the previous 5 values. Contained within the report is general information

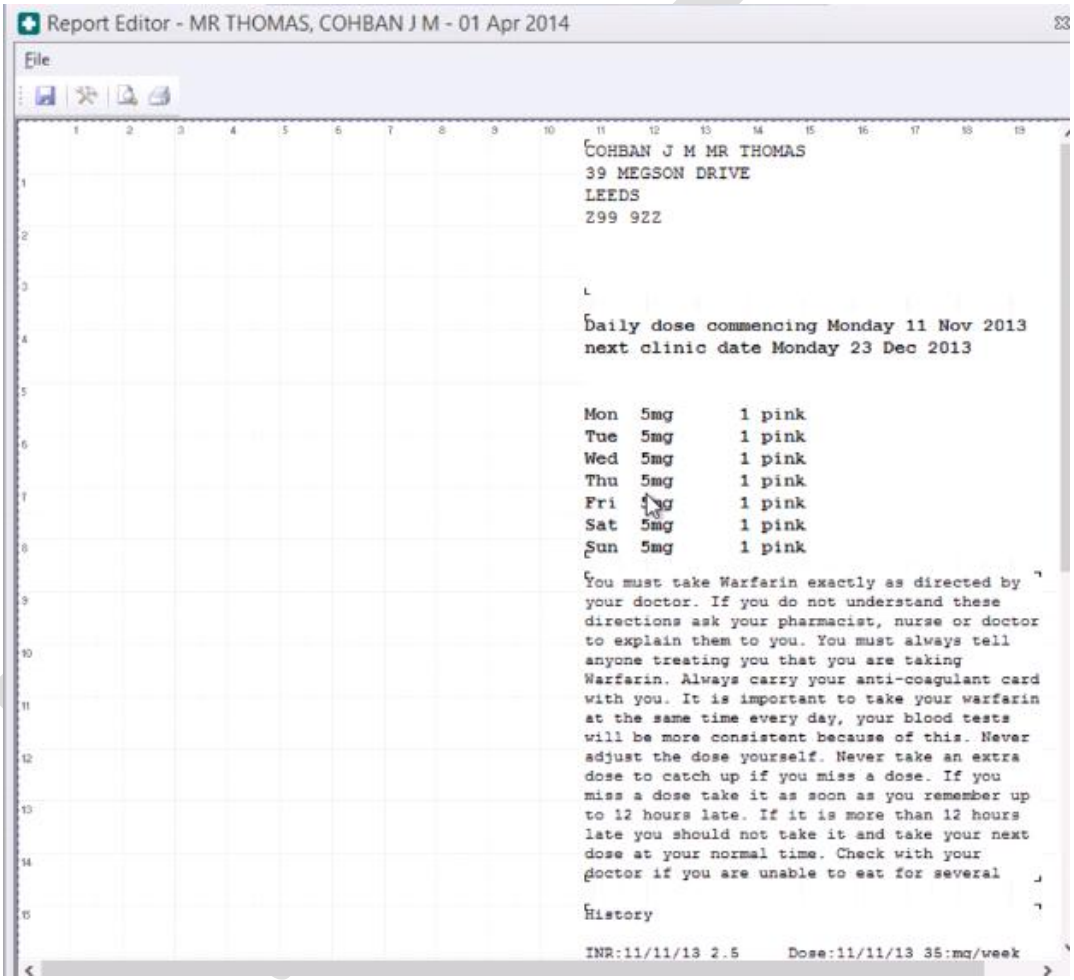
regarding taking Warfarin. The report is designed to be printed out so that it can be given to the patient or any other clinician who may potentially need an overview eg If the patient changes practice.

1. From the **Warfarin Dose** screen, select **Print Preview**, **Print** or **Print A4 Report**.



Print Options

2. If you choose **Print Preview** the report is sent to screen where it can be viewed and printed.


Report Editor - MR THOMAS, COHBAN J M - 01 Apr 2014
File
COHBAN J M MR THOMAS
39 MEGSON DRIVE
LEEDS
Z99 9ZZ
Daily dose commencing Monday 11 Nov 2013
next clinic date Monday 23 Dec 2013
Mon 5mg 1 pink
Tue 5mg 1 pink
Wed 5mg 1 pink
Thu 5mg 1 pink
Fri 5mg 1 pink
Sat 5mg 1 pink
Sun 5mg 1 pink
You must take Warfarin exactly as directed by your doctor. If you do not understand these directions ask your pharmacist, nurse or doctor to explain them to you. You must always tell anyone treating you that you are taking Warfarin. Always carry your anti-coagulant card with you. It is important to take your warfarin at the same time every day, your blood tests will be more consistent because of this. Never adjust the dose yourself. Never take an extra dose to catch up if you miss a dose. If you miss a dose take it as soon as you remember up to 12 hours late. If it is more than 12 hours late you should not take it and take your next dose at your normal time. Check with your doctor if you are unable to eat for several
History
INR:11/11/13 2.5 Dose:11/11/13 35:mg/week

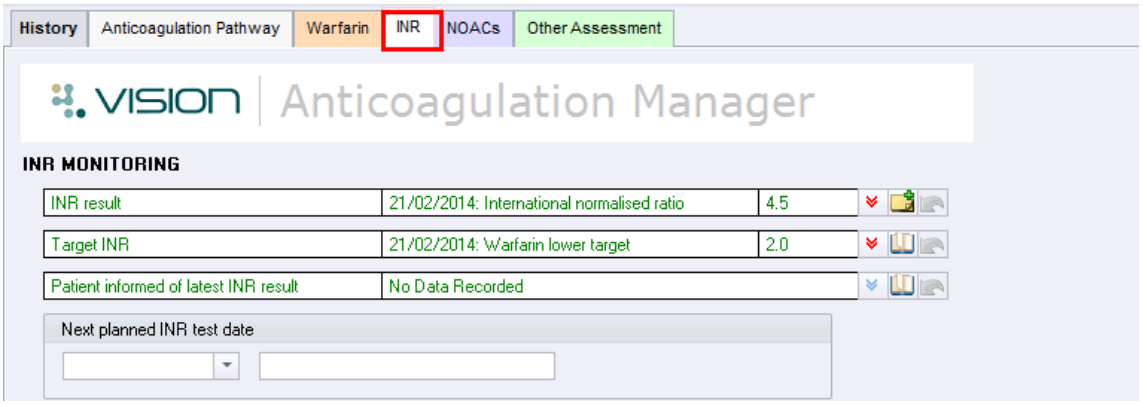
Print Report

3. If you choose **Print** the report is sent directly to the prescription printer. Select **Print A4** to send the document to the Report printer.

Note -You can only print this dosing regime report from the INR and Dose screen. It is not available if you select Treatment Advice, History or Trends.

INR Tab

The INR tab has been specifically designed for monitoring a patient's INR.

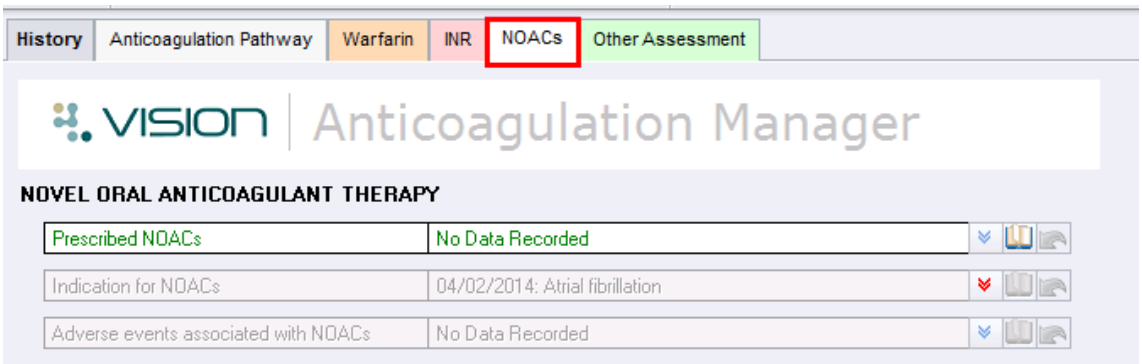


INR Monitoring

- **INR Results** - This information is automatically populated with the patient's INR results received from the lab. Optionally, the new INR value can be recorded by entering it into the INR measurement screen by selecting the INR value icon.
- **Target INR** - Select this box to specify the patient's target INR.
- **Patient Informed of latest INR result** - This shows the last time the patient was informed of their INR result, or you can add this information by selecting the appropriate Read code.
- **Next INR test date -** This displays the patient's next planned INR date or select the date from the calendar (or type the date). (What does the next box display?)

New Oral Anticoagulant drugs (NOACs) Tab

The NOAC tab is for new oral anticoagulation medication.



NOAC Tab

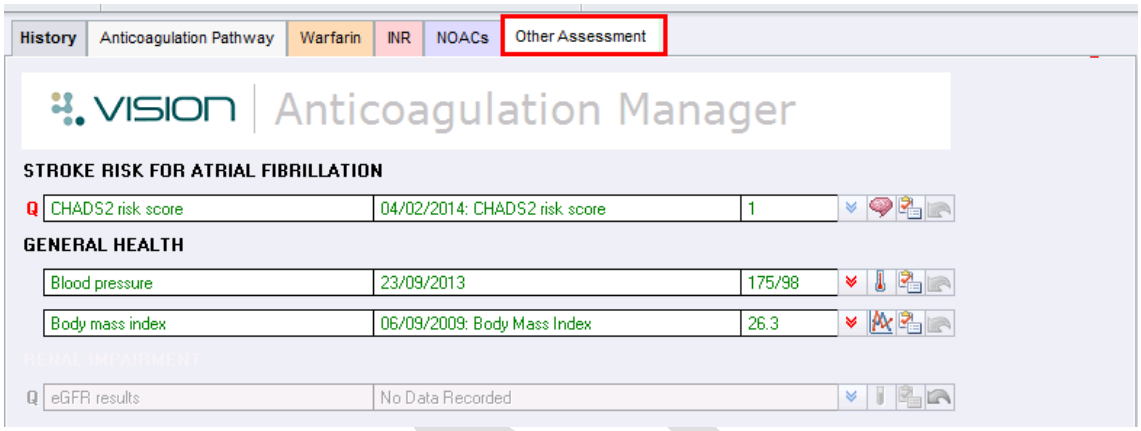
- **Prescribed NOAC's** - From this area of the screen you can see what medication the patient is on and their NOAC history.
- **Indication for NOAC's** - You can see the patient's latest diagnosis indication and the date the entry was made. If there is no data recorded you can choose the Read code from the Data Entry screen. (Check what are the differences in the management of patient care - the Read codes here are more operation specific and AF is shown but PE is not?)

- **Adverse events associated with NOAC's** - Any adverse events are displayed on this line or you can record them by choosing the appropriate Read code.

Note - If a box is "greyed" out and not available it indicates that this information is not applicable to this patient.

Other Assessment Tab

This tab explains other assessments which may affect the patient's dose.



Other Assessment Tab

- **CHADS2 risk Score** - You can view the patient's latest CHADS score or use the CHADS icon to quickly access the CHADS calculator screen.
- **Blood Pressure** - The patient's last blood pressure is displayed on this screen. To view historical entries or add a BP use the data entry tools at the end of the line.
- **Body Mass Index** - The patient's last BMI is displayed on this screen. To view historical entries or add a BMI measurement use the data entry tools at the end of the line.
- **eGFR results** - From here you can see the patient's eGFR results or add a new result.

Note - A **Q** in front of a line indicates that it is a QOF requirement.

Summary - Viewing or Adding Data to the Anticoagulation Template

From the Anticoagulation Template highlight a line and choose one of the following **Data Entry** icons at the end of the line.

Icon	Function	Icon	Function
	Previous Entry - This blue icon indicates that the patient does not have any previous records.		**Blood Pressure** - Selecting this icon displays the blood pressure data entry screen.

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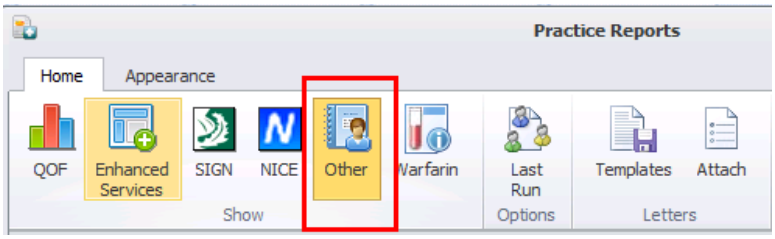
	Previous Entries - When the row contains more than one relevant Read code, a drop down arrow appears in red to alert you that more Read codes are available than the one currently being displayed. Where numeric data is recorded a graph is also visible.		**BMI** - Choosing this icon displays the BMI data entry screen and allows you to record the patient's BMI.
	Undo - The Undo Last Entry icon deletes the Read code previously entered on that line during the current session.		**CHADS** - This icon provides quick access to the CHADS calculator screen.
	Codeset - The codeset icon takes you to the Read code data entry screen, where Read codes can be chosen from pre-defined list.		**Smoking** - Selecting this icon launches the smoking data entry screen and allows you to record the patient's smoking status.
	INR - This icon allows you to add an INR result.		**Warfarin** - This icon launches the Warfarin dosing tool.

IMPORTANT - You must select **Save and Close** if you have entered any information.

Anticoagulation Pathway Reports

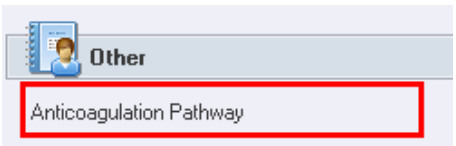
There is a comprehensive suite of pre-defined Anticoagulation Reports built within the Vision+ Reporting Module. From here you can work on patient lists or use the integrated mail merge facility.

1. From the front screen on Vision, go to **Reporting** - **Practice Reports** and select the **Other** icon.



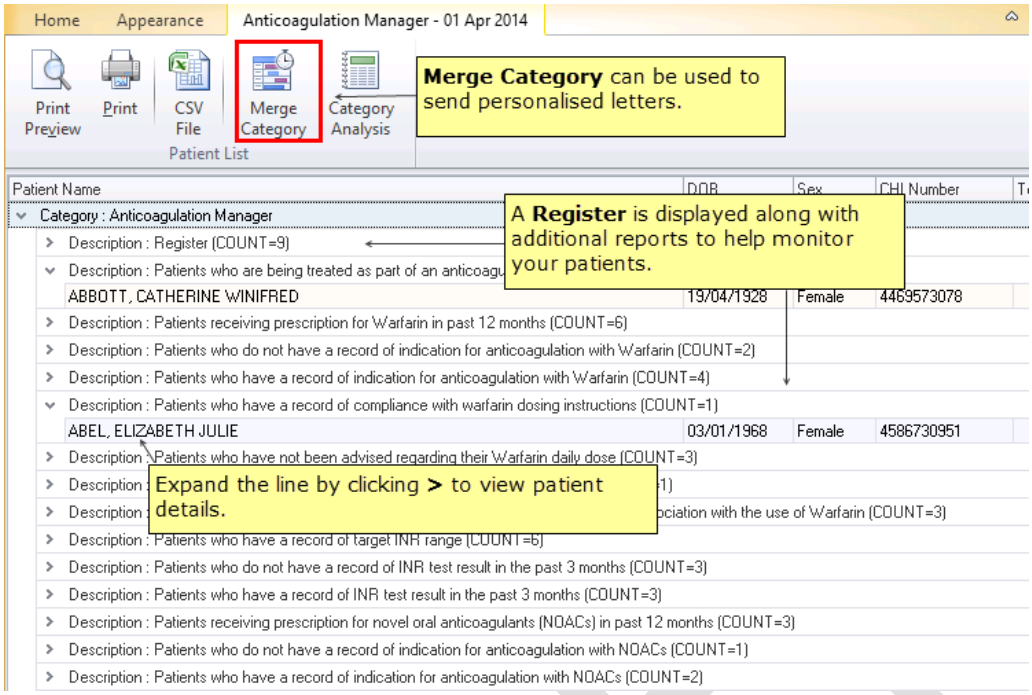
Practice Reports - Other

2. Click **Anticoagulation Pathway Reports**.



Other - Anticoagulation Pathway

3. The Reports are listed.


Home
Appearance
Anticoagulation Manager - 01 Apr 2014
Print Preview
Print
CSV File
Merge Category
Category Analysis
Patient List
Merge Category can be used to send personalised letters.
Patient Name
DOB
Sex
CHI Number
Category : Anticoagulation Manager
A Register is displayed along with additional reports to help monitor your patients.
Description : Register (COUNT=9)
Description : Patients who are being treated as part of an anticoagu
ABBOTT, CATHERINE WINIFRED 19/04/1928 Female 4469573078
Description : Patients receiving prescription for Warfarin in past 12 months (COUNT=6)
Description : Patients who do not have a record of indication for anticoagulation with Warfarin (COUNT=2)
Description : Patients who have a record of indication for anticoagulation with Warfarin (COUNT=4)
Description : Patients who have a record of compliance with warfarin dosing instructions (COUNT=1)
ABEL, ELIZABETH JULIE 03/01/1968 Female 4586730951
Description : Patients who have not been advised regarding their Warfarin daily dose (COUNT=3)
Expand the line by clicking > to view patient details.
Description : Patients who have a record of target INR range (COUNT=6)
Description : Patients who do not have a record of INR test result in the past 3 months (COUNT=3)
Description : Patients who have a record of INR test result in the past 3 months (COUNT=3)
Description : Patients receiving prescription for novel oral anticoagulants (NOACs) in past 12 months (COUNT=3)
Description : Patients who do not have a record of indication for anticoagulation with NOACs (COUNT=1)
Description : Patients who have a record of indication for anticoagulation with NOACs (COUNT=2)

Anticoagulation Pathway

For more information on how to work on Patient lists or perform a mail merge, press **F1** in the Vision+ Reporting module to display the on-screen help.

Training Tip - Select the **Last Run** option if you have closed the Anticoagulation Report down but now want to view it again.

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